**Layer 2 Security Threats**

1. VPNs, firewalls, and IP devices are examples of Layer 3 through Layer 7 mitigation techniques. DHCP snooping and IPSG are used to mitigate Layer 2 attacks.  
2. Port security prevents many types of attacks including MAC address table overflow and DHCP starvation attacks.  
3. IPSG prevents MAC and IP address spoofing.  
4. DAI prevents ARP spoofing and ARP poisoning attacks.  
5. DHCP snooping prevents DHCP starvation and DHCP spoofing attacks.

- MAC Table Attacks

- VLAN Attacks

- DHCP Attacks

- ARP Attacks

- Address Spoofing Attacks

- STP Attacks

- Switch Attacks Mitigation Techniques  
 + Port Security

+ DHCP Snooping

+ Dynamic ARP Inspection (DAI)

+ ip Source Guard (IPSG)